

PR60567WO

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## PCT REQUEST

Original (for SUBMISSION )

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|---------|---|---|
| 0       | For receiving Office use only   |   |
| 0-1     | International Application No.   |   |
| 0-2     | International Filing Date   |   |
| 0-3     | Name of receiving Office and "PCT International Application"  |   |
| 0-4     | Form PCT/RO/101 PCT Request   |   |
| 0-4-1   | Prepared Using  | PCT-SAFE [EASY mode]<br>Version 3.50 (Build 0002.169)                                   |
| 0-5     | Petition<br>The undersigned requests that the present International application be processed according to the Patent Cooperation Treaty |   |
| 0-6     | Receiving Office (specified by the applicant)   | United States Patent and Trademark Office (USPTO) (RO/US)                               |
| 0-7     | Applicant's or agent's file reference   | PR60567WO   |
| I       | Title of Invention  | HIV INTEGRASE INHIBITORS  |
| II      | Applicant   |   |
| II-1    | This person is  | applicant only  |
| II-2    | Applicant for   | all designated States except US   |
| II-4    | Name  | SMITHKLINE BEECHAM CORPORATION  |
| II-5    | Address   | One Franklin Plaza<br>PO Box 7929<br>Philadelphia, PA 19101<br>United States of America |
| II-6    | State of nationality  | US  |
| II-7    | State of residence  | US  |
| II-8    | Telephone No.   | 919-483-2252  |
| II-9    | Facsimile No.   | 919-483-7988  |
| III-1   | Applicant and/or inventor   |   |
| III-1-1 | This person is  | applicant only  |
| III-1-2 | Applicant for   | all designated States except US   |
| III-1-4 | Name  | SHIONOGI & CO., LTD   |
| III-1-5 | Address   | 12-4, Sagisu 5-chome, Fukushima-ku,<br>Osaka,<br>553-0002<br>Japan                      |
| III-1-6 | State of nationality  | JP  |
| III-1-7 | State of residence  | JP  |

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| III-2   | Applicant and/or inventor |   |
| III-2-1 | This person is            | applicant and inventor  |
| III-2-2 | Applicant for             | US only   |
| III-2-4 | Name (LAST, First)        | JOHNS, Brian, Alvin   |
| III-2-5 | Address                   | c/o GlaxoSmithKline<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America |
| III-2-6 | State of nationality      | US  |
| III-2-7 | State of residence        | US  |
| III-3   | Applicant and/or inventor |   |
| III-3-1 | This person is            | applicant and inventor  |
| III-3-2 | Applicant for             | US only   |
| III-3-4 | Name (LAST, First)        | BOROS, Eric ,Eugene   |
| III-3-5 | Address                   | c/o GlaxoSmithKline<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America |
| III-3-6 | State of nationality      | US  |
| III-3-7 | State of residence        | US  |
| III-4   | Applicant and/or inventor |   |
| III-4-1 | This person is            | applicant and inventor  |
| III-4-2 | Applicant for             | US only   |
| III-4-4 | Name (LAST, First)        | KAWASUJI, Takashi   |
| III-4-5 | Address                   | c/o Shionogi & Co., LTD<br>12-4, Sagisu 5-chome, Fukushima-ku,<br>Osaka,<br>553-0002<br>Japan                           |
| III-4-6 | State of nationality      | JP  |
| III-4-7 | State of residence        | JP  |

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|---------|---------------------------|---|
| III-5   | Applicant and/or inventor |   |
| III-5-1 | This person is            | applicant and inventor  |
| III-5-2 | Applicant for             | US only   |
| III-5-4 | Name (LAST, First)        | KOBLE, Cecilia, S.  |
| III-5-5 | Address                   | c/o GlaxoSmithKline<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America |
| III-5-6 | State of nationality      | VE  |
| III-5-7 | State of residence        | US  |
| III-6   | Applicant and/or inventor |   |
| III-6-1 | This person is            | applicant and inventor  |
| III-6-2 | Applicant for             | US only   |
| III-6-4 | Name (LAST, First)        | KUROSE, Noriyuki  |
| III-6-5 | Address                   | c/o Shionogi & CO., LTD<br>12-4, Sagisu 5-chome, Fukushima-ku,<br>Osaka,<br>553-0002<br>Japan                           |
| III-6-6 | State of nationality      | JP  |
| III-6-7 | State of residence        | JP  |
| III-7   | Applicant and/or inventor |   |
| III-7-1 | This person is            | applicant and inventor  |
| III-7-2 | Applicant for             | US only   |
| III-7-4 | Name (LAST, First)        | MURAI, Hitoshi  |
| III-7-5 | Address                   | c/o Shionogi & Co., LTD<br>12-4, Sagisu 5-chome, Fukushima-ku,<br>Osaka,<br>553-0002<br>Japan                           |
| III-7-6 | State of nationality      | JP  |
| III-7-7 | State of residence        | JP  |

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| III-8   | <b>Applicant and/or inventor</b>   |  |
| III-8-1 | This person is   | applicant and inventor   |
| III-8-2 | Applicant for  | US only  |
| III-8-4 | Name (LAST, First)   | SHERRILL, Ronald, George   |
| III-8-5 | Address  | c/o GlaxoSmithKline<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America                                      |
| III-8-6 | State of nationality   | US   |
| III-8-7 | State of residence   | US   |
| III-9   | <b>Applicant and/or inventor</b>   |  |
| III-9-1 | This person is   | applicant and inventor   |
| III-9-2 | Applicant for  | US only  |
| III-9-4 | Name (LAST, First)   | WEATHERHEAD, Jason, Gordon   |
| III-9-5 | Address  | c/o GlaxoSmithKline<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America                                      |
| III-9-6 | State of nationality   | US   |
| III-9-7 | State of residence   | US   |
| IV-1    | <b>Agent or common representative; or<br/>address for correspondence</b>   |  |
|         | The person identified below is hereby/<br>has been appointed to act on behalf of<br>the applicant(s) before the competent<br>International Authorities as: | agent  |
| IV-1-1  | Name (LAST, First)   | DADSWELL, Charles, E   |
| IV-1-2  | Address  | GlaxoSmithKline<br>Corporate Intellectual Property Dept.<br>Five Moore Drive<br>PO Box 13398<br>Research Triangle Park, NC 27709<br>United States of America |
| IV-1-3  | Telephone No.  | 919-483-2252   |
| IV-1-4  | Facsimile No.  | 919-483-7988   |
| IV-1-6  | Agent's registration No.   | 35,851   |
| IV-2    | <b>Additional agent(s)</b>   | additional agent(s) with same address as<br>first named agent  |
| IV-2-1  | Name(s)  | PRUS, Karen (39,337)   |

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|---------------|--|--|-----------------------------|
| <b>V</b>      | <b>DESIGNATIONS</b>  |  |                             |
| <b>V-1</b>    | The filing of this request constitutes under Rule 4.9(a), the designation of all Contracting States bound by the PCT on the International filing date, for the grant of every kind of protection available and, where applicable, for the grant of both regional and national patents. |  |                             |
| <b>VI-1</b>   | Priority claim of earlier national application   |  |                             |
| <b>VI-1-1</b> | Filing date  | 11 February 2004 (11.02.2004)                              |                             |
| <b>VI-1-2</b> | Number   | 60/543,670   |                             |
| <b>VI-1-3</b> | Country  | US   |                             |
| <b>VI-2</b>   | Priority document request<br>The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) identified above as item(s):   | VI-1   |                             |
| <b>VII-1</b>  | International Searching Authority Chosen   | United States Patent and Trademark Office (USPTO) (ISA/US) |                             |
| <b>VIII</b>   | <b>Declarations</b>  | Number of declarations                                     |                             |
| <b>VIII-1</b> | Declaration as to the identity of the inventor   | -  |                             |
| <b>VIII-2</b> | Declaration as to the applicant's entitlement, as at the international filing date, to apply for and be granted a patent   | -  |                             |
| <b>VIII-3</b> | Declaration as to the applicant's entitlement, as at the international filing date, to claim the priority of the earlier application   | -  |                             |
| <b>VIII-4</b> | Declaration of inventorship (only for the purposes of the designation of the United States of America)   | -  |                             |
| <b>VIII-5</b> | Declaration as to non-prejudicial disclosures or exceptions to lack of novelty   | -  |                             |
| <b>IX</b>     | <b>Check list</b>  | number of sheets   | electronic file(s) attached |
| <b>IX-1</b>   | Request (including declaration sheets)   | 6  | ✓                           |
| <b>IX-2</b>   | Description  | 419  | -                           |
| <b>IX-3</b>   | Claims   | 26   | -                           |
| <b>IX-4</b>   | Abstract   | 1  | ✓                           |
| <b>IX-5</b>   | Drawings   | 0  | -                           |
| <b>IX-7</b>   | TOTAL  | 452  |                             |